

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #15—Aug 20, 2007**

## Work Completed: August 9-15, 2007

- Completed grading and installation of geosynthetic material for Staging Area 5S. Began placement of stone for Staging Area 5S.
- Continued construction of temporary access roads to Staging Area 5S.
- Began clearing and grubbing of Removal Area 6B.
- Completed installing a turbidity curtain for Removal Areas 2B and 3B.
- Completed construction of a temporary dock near the Plainwell Dam. Began installation of steel sheeting for the Phase I cofferdam.
- Continued excavating non-TSCA soil from Removal Area 5 and Island 3. Completed excavating non-TSCA soil from Removal Area 2B.
- Solidified, loaded and transported excavated material to Allied Waste's C&C landfill in Marshall, Michigan (non-TSCA material). Continued solidifying soil at Staging Area 1N using a pug mill with cement. Began staging soil at Staging Area 2S.
- Completed placing stone at Removal Areas 3A and 6A.
- Continued surveying and confirmation sampling in Removal Areas 2B, 5, and 6A, and Island 3.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	0	0	1190	34
Total to Date	1225	35	8260	236

\*\* All values are unofficial, estimated quantities, subject to revision/verification.

US EPA RECORDS CENTER REGION 5



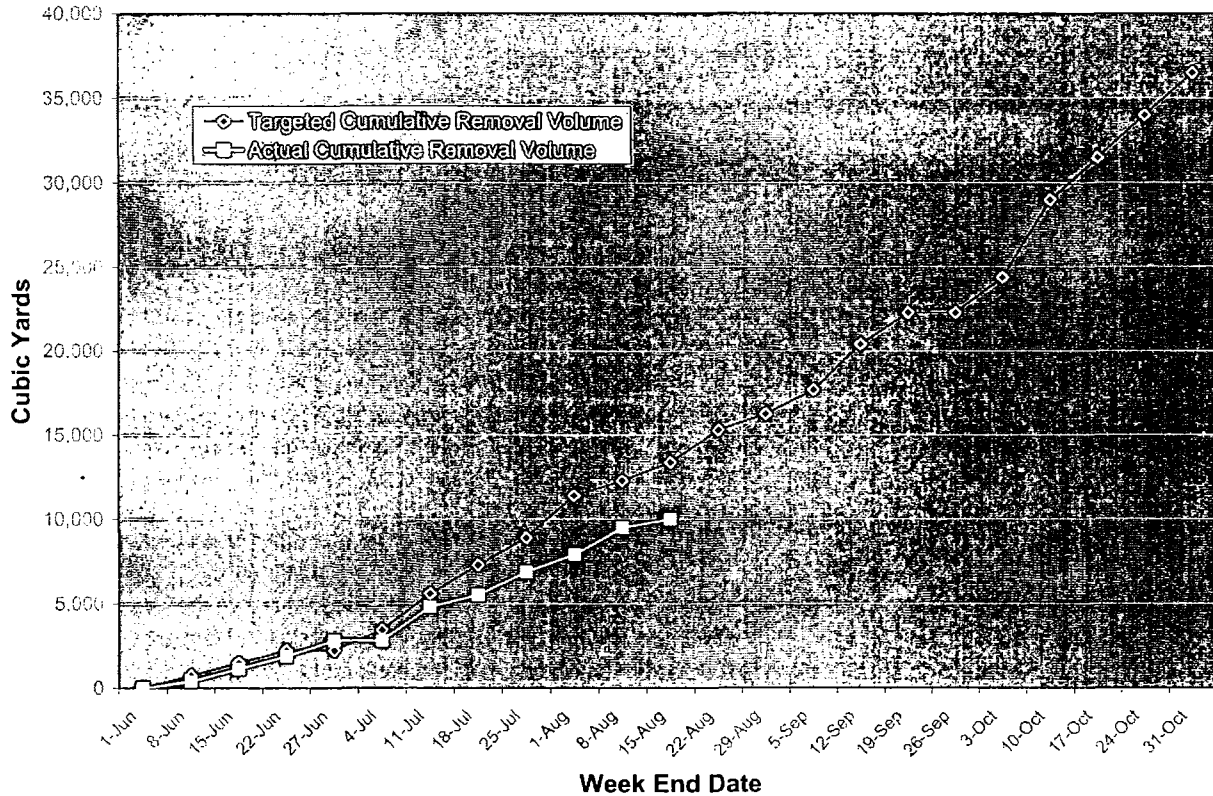
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***Work Planned: August 16-22, 2007***

- Complete construction of Staging Area 5S.
- Complete clearing and grubbing of Removal Area 6B. Begin clearing and grubbing of Upland Area 6B1.
- Complete installation of turbidity curtain for Removal Area 4B.
- Continue installation of steel sheeting for the construction of the Phase 1 cofferdam.
- Complete excavation of non-TSCA soil from Removal Area 5 and Island 3. Begin excavating non-TSCA soil from the south bank of the Kalamazoo River at Removal Areas 3B and 4B.
- Continue loading and transporting solidified non-TSCA material from Staging Area 1N to Allied Waste's C&C Landfill in Marshall, Michigan. Continue solidifying soil with cement at Staging Area 1N using a pug mill. Continue staging soil at Staging Area 2S.
- Begin the placement of stone at Removal Area 2B.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Areas 2B, 3B, 4B, and 5, and Island 3.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

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Removal Progress

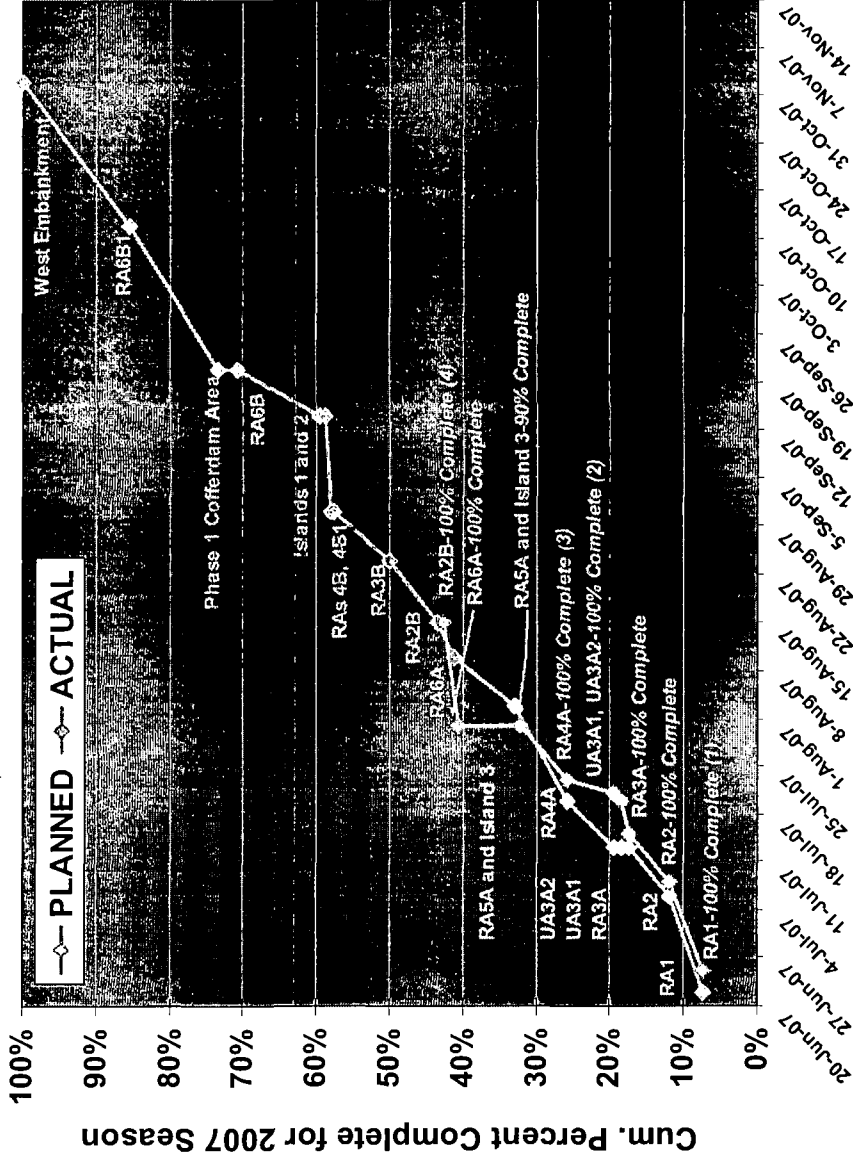


Notes: Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

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Removal Progress



***Health & Safety Update***

- Four Loss Prevention Observations (LPOs) were completed this week.  
A total of 36 LPOs have been completed for the project to date.

***Weather Summary***

- No weather-related delays for the project this week.
- Work-rest cycles and hydration are being emphasized at the Site due to the very warm temperatures.

***Environmental Monitoring and Construction Quality Assurance Testing***

**Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Dewatering System Discharge Monitoring:**

Discharge Flow: ~19,000 Gallons  
Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Excavation Verification Sampling:**

Testing Performed this Week? No ☐ Yes ☒ in Removal Area(s): 5, 6A, and  
Island 3  
Cleanup Standard Achieved? N/A ☐ Yes ☒ No ☐ If no, explain:

***Issues Encountered/Solutions Advanced***

- None.

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**Equipment on Site**

Equipment	8/9/07	8/10/07	8/11/07	8/12/07	8/13/07	8/14/07	8/15/07
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Hitachi 450 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Vermeer Chipper	2	2	2	2	2	2	2
Komatsu D65 Dozer	1	1	1	1	1	1	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
Terex RT 50-ton Crane	1	1	1	1	1	1	1
2,000 Gallon Water Truck	2	2	2	2	2	2	2
Komatsu 400 Articulating Dump Truck	3	3	3	3	3	3	3

**Personnel, Regulatory Staff, and Visitors on Site**

Individual/Affiliation	8/9/07	8/10/07	8/11/07	8/12/07	8/13/07	8/14/07	8/15/07
Terra Contracting Staff	22	22	22		22	22	22
Sam Borries/USEPA OSC	X	X					
Mike Ribordy/USEPA OSC							
Craig Thomas/USEPA OSC							
Paul Bucholtz/MDEQ	X						
John Bradley/MDEQ							
John Lerg/MDNR							
Sharon Hanshue/MDNR							X
Judith Gapp/MDEQ							X
Lisa Williams/USFWS							X
Todd Goeks/NOAA							X
Weston Contractors	1	1			1	1	1
Drew Santini/CDM							
Mark Tapp/KRSG	X						
Eric Schmidt/KRSG							X
Chase Fortenberry/KRSG						X	X
Rick Difiore/ARCADIS BBLES							
Steve Garbaciak/ARCADIS BBL							
Doug Cowin/ARCADIS BBL	X						
Anthony Esposito/ARCADIS BBL							
Adam Chwailbog/ARCADIS BBL	X	X			X	X	X
Eric Hritsuk/ARCADIS BBL	X	X					

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Rich Price/ARCADIS BBLES	X	X			X	X	X
Matt Bowman/ARCADIS BBLES	X						
EJ Suardini/ARCADIS BBLES					X	X	X
Mike Kohagen/ARCADIS BBLES	X	X	X		X	X	X
Ben Lawrence/ARCADIS BBLES	X	X	X		X	X	X
Michelle Rumler/ARCADIS BBL	X	X	X		X	X	X
Joe Willoughby/ARCADIS BBLES					X	X	X
Nick Harmer/ARCADIS BBL					X	X	X
<i>Other Subcontractors (Specify)</i>							
American Environmental (Liner)	6						
King Construction (WCS/cofferdam)	3	3	3		3	3	3

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*Photos from Week #15*



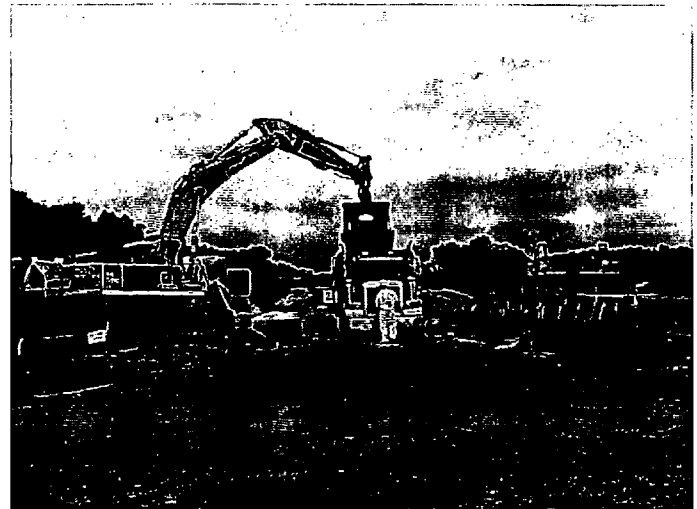
*Preparing steel sheeting for installation for the  
Phase I cofferdam.*



*Heavy equipment hauling and placing  
stone at Removal Area 3B.*



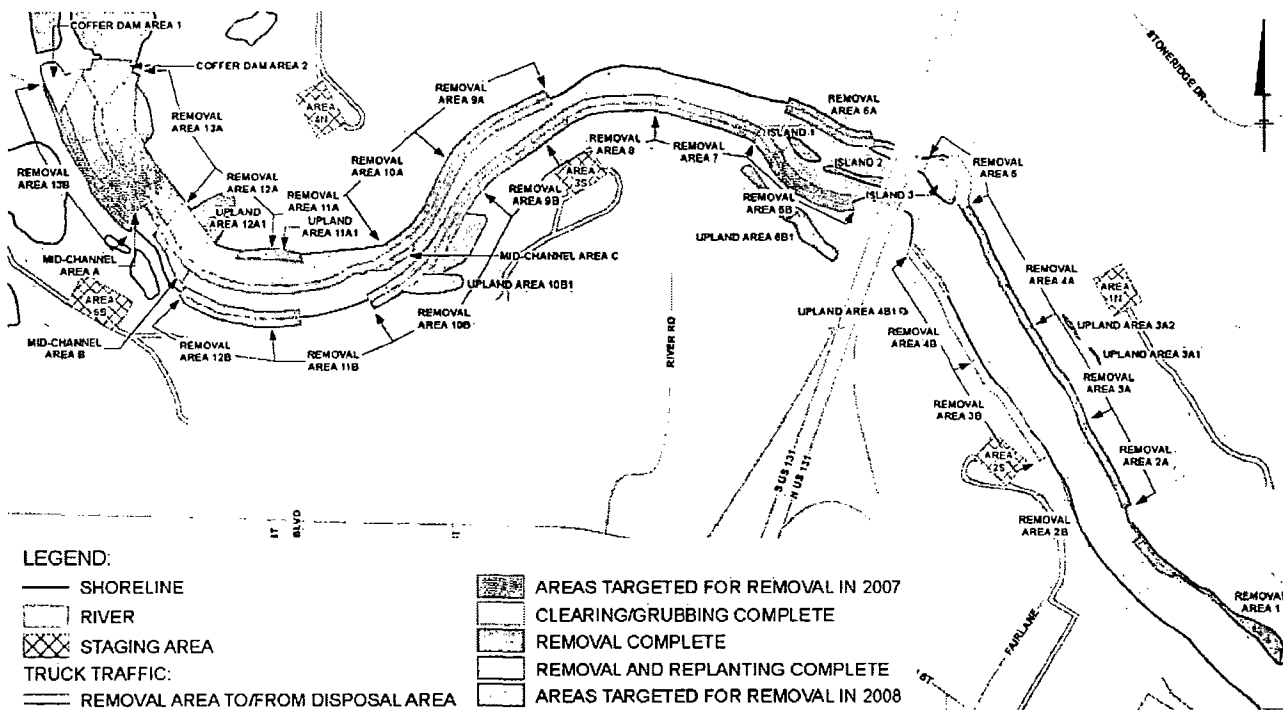
*Installed geomembrane material at Staging Area 5S.*



*Heavy equipment loading soil/sediment into a  
tractor trailer at Staging Area 1N.*



### Targeted Removal Areas—Former Plainwell Impoundment



All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.